

## **ABSTRACT**

A geothermal apparatus comprising a first pipe for receiving a heat exchange liquid therein and a second pipe for receiving the heat exchange liquid therein and having a web integrally connected to each of the first and second pipes, between such pipes for holding the second pipe at a predetermined distance from the first pipe. This pair of pipes, which are integrally connected, are installed in the ground in a hole or bore and then are connected to a heat exchanger having a fluid inlet connected to one of the pipes, a fluid outlet connected to the other of the pipes and the end of the pipes remote from the heat exchanger which are connected together.